

[TWO PHASE INTERNAL VOLTAGE GENERATOR]

Abstract

A two phase internal voltage generator at least includes a first phase internal voltage generator and a second phase internal voltage generator. The power consumption of the second phase internal voltage generator is relatively lower than that of the first phase internal voltage generator. The first phase internal voltage generator promptly generates and provides a first internal voltage source when an external power is provided. As a second internal voltage source that is provided by the second phase internal voltage generator is stable, the first phase internal voltage generator cuts off the supply of the first internal voltage source. The present invention prevents the problem to major power consumption for conventional internal voltage generator.